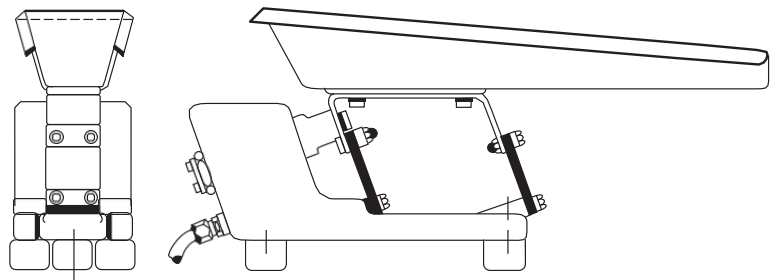


## SPECIFICATIONS/PARTS LIST

# SYNTRON<sup>®</sup> ELECTROMAGNETIC VIBRATORY FEEDER

**MODEL: FT0B**



### ■ OPERATING SPECIFICATIONS

Maximum Trough Weight:

1.58 kg

Trough Stroke Range:

1.58kg Trough  
Max Amplitude (1.0 to 1.75mm)

Minimum Natural Frequency:

4000VPM (60Hz)  
3750VPM (50Hz)

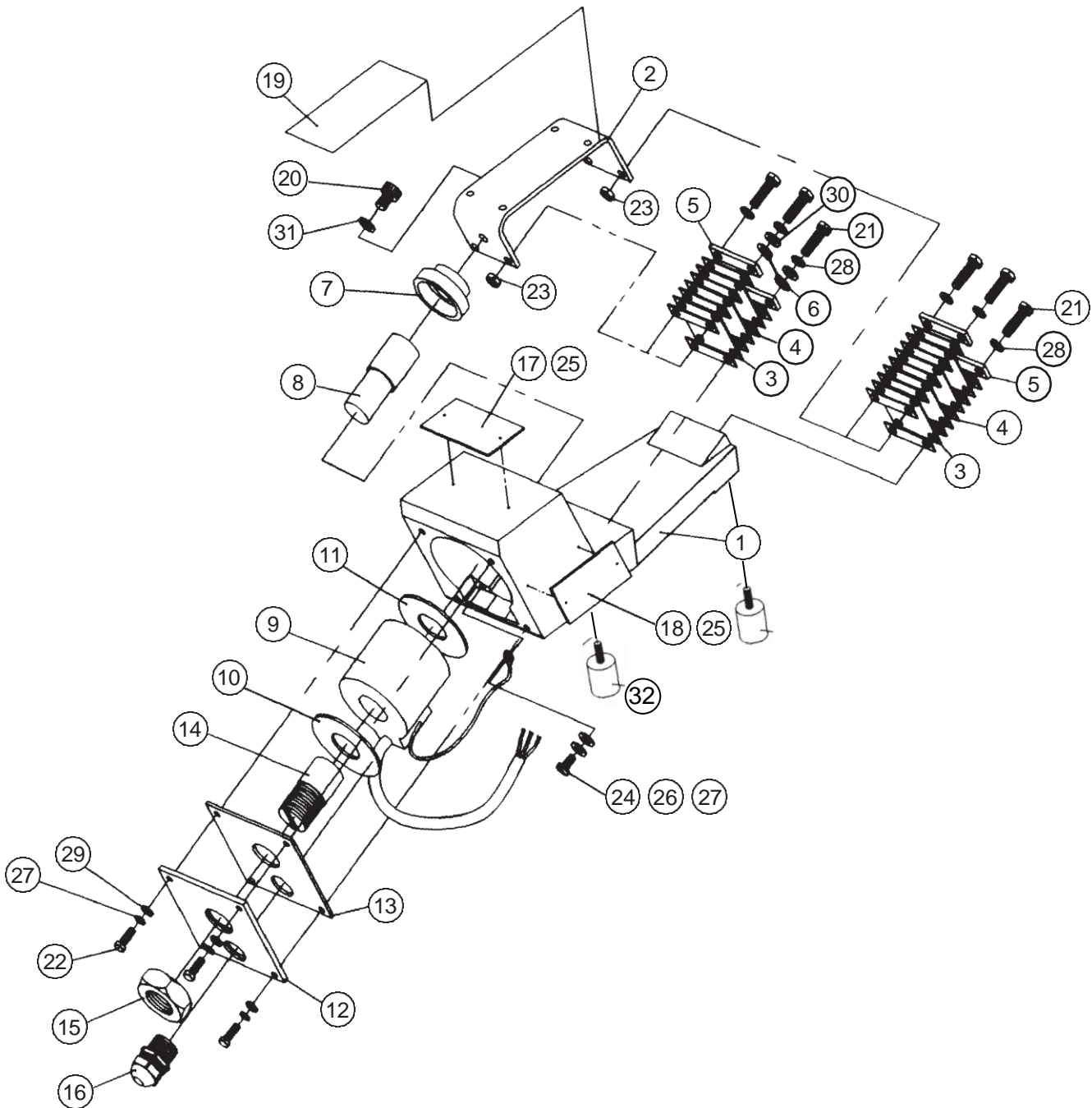
\*Maximum Current Rating:  
(Name Plate)

0.35 Amps (115V/50-60Hz)  
0.18 Amps (230V/50-60Hz)  
2.68 Amps (15v/50Hz)

\*When using a clamp-on meter to read the current of the feeder, the meter reading must be multiplied by a value of 1.7. A clamp-on meter does not reveal the same reading as stamped on the name plate due to the wave form characteristics of the feeder, when operating. Therefore the 1.7 multiplier must be used. All current readings must be taken at the controller.

## ■ TORQUE SPECIFICATIONS

ITEM	DRY	LUBRICATED
21	3.17ft/lbs (4.3 Nm)	2.43ft/lbs (3.3 Nm)
20	9.96ft/lbs (13.5 Nm)	7.52ft/lbs (10.2 Nm)



NOTE: DO NOT REMOVE OR PAINT OVER SAFETY LABELS OR NAME PLATE. SHOULD SAFETY LABELS REQUIRE REPLACEMENT CONTACT RILEY AUTOMATION LTD

## ■ PARTS LIST

MODEL: FT0B

ITEM	PART No.	DESCRIPTION	QUANTITY
1	FVST2004/3	FT0B Base Casting	1
2	FVST2002/6	Trough Mounting Bracket (stainless steel)	1
3	FVST2014/4	Leaf Spring 3ply (0.85mm)	4
	FVST2014/5	Leaf Spring 2ply (0.4mm)	3
4	FVSN2009/6	Leaf Spring Spacer	18
5	FVSN2009/5	Leaf Spring Clamping Bar	4
6	FVST4023/1	Earth Strap	1
7	FVST2001/3	Dust Seal	1
8	FVSN2003/1	Armature	1
9	GAFVST4007R/...	FT0B Encapsulated Coil See table on next page for variants	1
10	FVST2005/1	Coil Washer 1.5mm	2
11	FVST2005/2	Coil Washer 0.5mm	2
12	FVST2006/1	Backplate	1
13	FVST2015/1	Backplate Gasket	1
14	FVSN2013/1	Core	1
15	FVST2010/1	3/8" BSP Locknut	1
16	29265-164-3	16mm Cable Gland	1
17	UNNA4008/1	Electrical Warning Label	1
18	UNN4049/1	Nameplate	1
19	UNNA4010/1	Adhesive Warning Label	1
20		M6 x 12 Socket Head Capscrew	1
21		M5 x 20 Hexagon Head Capscrew	8
22		M4 x 16 Hexagon Head Setscrew	4
23		M5 Hexagon Nut	4
24		M4 x 10 PSDV PAN HD Brass Setscrew	1
25		Hammer Drive R/HD Screw 00 x 1/4	4
26		M4 Plain Brass Washer	1
27		M4 Spring Washer	5
28		M5 Spring Washer	8
29		M4 Plain Washer	4
30		M5 Plain Washer	2
31		M6 Spring Washer	1
32	20022-.....	Rubber Feet See table on next page for variants	3



Riley p/no.	Description	Voltage	Frequency
GAFVST4007R1	FT0B Encapsulated Coil (standard)	230v	50/60Hz
GAFVST4007R2	FT0B Encapsulated Coil (standard)	110v	50/60Hz
GAFVST4007R7	FT0B Encapsulated Coil (ATEX Hazloc)	15v	50Hz
GAFVST4007R8	FT0B Encapsulated Coil (PG9 gland + 2-pin connector on cable)	15v	50Hz
GAFVST4007R9	FT0B Encapsulated Coil (standard ATEX)	230v	50/60Hz

If you are unsure which variant you require, please have the serial number of the drive unit to hand and contact Riley Automation on 01332 275850. If the nameplate has been removed, the internal coil will have a label on it. The backplate will need to be removed to find it through this method.

Riley p/no.	Description
20022-001-4	FT0B Concaved Rubber Foot (M6 male thread only)
20022-003-4	FT0B Standard Isolation Mount (M6 male/female type)

Riley Automation Ltd  
Foresters Business Park  
Sinfin Lane  
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Tel: 01332 275850

Riley Automation Ltd reserves the right to alter at any time, without notice and without liability or other obligation on its part, materials, equipment specifications and models. Riley Automation Ltd also reserves the right to discontinue the manufacture of models, parts and components thereof.